

CLAIMS

1. (Previously Presented) A method of speech recognition, comprising:
receiving voice input at a mobile communications device;
associating a confidence measure with each voice pattern in a set of voice patterns stored
in memory of the mobile communications device based on how closely the stored voice
pattern matches the voice input;
determining the current geographical position of the mobile communications device; and
modifying at least one of the confidence measures based upon the current geographical
position of the mobile communications device.
2. (Original) The method of claim 1, wherein the voice input comprises a spoken label
corresponding to an electronic address.
3. (Original) The method of claim 2, wherein the electronic address comprises a
telephone number.
4. (Original) The method of claim 2, wherein the electronic address comprises an
e-mail address.
5. (Original) The method of claim 2, wherein the electronic address comprises a
Uniform Resource Locator.

6. (Previously Presented) The method of claim 1, wherein determining the current geographical position of the mobile communications device comprises determining the geographical coordinates of the mobile communications device using a Global Positioning System receiver.
7. (Previously Presented) The method of claim 1, wherein determining the current geographical position of the mobile communications device comprises determining the geographical coordinates of the mobile communications device using terrestrial cellular - positioning.
8. (Previously Presented) The method of claim 1, wherein determining the current geographical position of the mobile communications device comprises examining the identification code of one or more base stations.
9. (Previously Presented) The method of claim 1, wherein determining the current geographical position of the mobile communications device comprises examining one of an area code, exchange code, or country code.
10. (Previously Presented) The method of claim 1, wherein each stored voice pattern corresponds to a stored telephone number.
11. (Previously Presented) The method of claim 10, wherein each stored telephone number is associated with a corresponding location.

12. (Previously Presented) The method of claim 11, further comprising determining, for each of the corresponding locations, a distance between the current position of the mobile communication device and the location corresponding to each stored telephone number.

13. (Previously Presented) The method of claim 12, wherein modifying comprises increasing the confidence measure for each stored voice pattern in which the corresponding distance is less than a predetermined threshold.

14. (Previously Presented) The method of claim 12, wherein modifying comprises decreasing the confidence measure for each stored voice pattern in which the corresponding distance is greater than or equal to a predetermined threshold.

15. (Previously Presented) The method of claim 12, wherein modifying comprises increasing the confidence measure for each stored voice pattern in which the corresponding distance is less than a predetermined threshold and decreasing the confidence measure for each stored voice pattern in which the corresponding distance is greater than or equal to the predetermined threshold.

16. (Previously Presented) The method of claim 10, wherein modifying comprises increasing the confidence measure for each stored voice pattern in which a sub-part of the corresponding stored telephone number corresponds to a geographical region within which the current position of the mobile communication device lies.

17. (Original) The method of claim 16, wherein the sub-part is one of an area code, exchange code, or country code.

18. (Previously Presented) The method of claim 10, wherein modifying comprises decreasing the confidence measure for each stored voice pattern in which a sub-part of the corresponding stored telephone number does not correspond to a geographical region within which the current position of the mobile communication device lies.

19. (Previously Presented) The method of claim 10, wherein modifying comprises increasing the confidence measure for each stored voice pattern in which a sub-part of the corresponding stored telephone number corresponds to a geographical region within which the current position of the mobile communication device lies and decreasing the confidence measure for each stored voice pattern in which a sub-part of the corresponding stored telephone number does not correspond to the geographical region.

20. (Previously Presented) The method of claim 10, further comprising recording a record of previous telephone calls made using the mobile communication device and corresponding locations from which the previous telephone calls were made.

21. (Previously Presented) The method of claim 20, wherein modifying comprises increasing the confidence measure for each stored voice pattern in which the corresponding stored telephone number has been called from the current position of the mobile communication device with a frequency exceeding a predetermined threshold, based upon the record of previous calls.

22. (Previously Presented) The method of claim 20, wherein modifying comprises decreasing the confidence measure for each stored voice pattern in which the corresponding stored telephone number has been called from the current position of the mobile communication device with a frequency less than or equal to a predetermined threshold, based upon the record of previous calls.

23. (Previously Presented) The method of claim 20, wherein modifying comprises increasing the confidence measure for each stored voice pattern in which the corresponding stored telephone number has been called from the current position of the mobile communication device with a frequency exceeding a predetermined threshold based upon the record of previous calls, and decreasing the confidence measure for each stored voice pattern in which the corresponding stored telephone number has been called from the current position of the mobile communication device with a frequency less than or equal to the predetermined threshold.

24. (Previously Presented) The method of claim 10, further comprising using user preferences to identify, for at least one designated position, at least one of the stored telephone numbers that is most likely to be called from the designated position.

25. (Currently Amended) A method for voice-dialing in a mobile communication device, comprising:

receiving voice input at a mobile communications device, the voice input comprising a voice pattern corresponding to a desired telephone number;

associating a confidence measure with each in a set of stored voice patterns based on how closely the stored voice pattern matches the voice input, wherein each voice pattern corresponds to a telephone number stored in the mobile communications device;

computing a difference between a greatest confidence measure and next-to-greatest confidence measure;

dialing the stored telephone number corresponding to the greatest confidence measure if the difference exceeds a predetermined threshold;

determining a current geographical position of the mobile communications device; and

modifying each confidence measure corresponding to one or more of the stored telephone numbers based upon the ~~the~~ current geographical position of the mobile communications device, and dialing the stored telephone number corresponding to a greatest resulting confidence measure if the difference is less than the predetermined threshold.

26. (Previously Presented) The method of claim 25, wherein determining the current geographical position of the mobile communications device comprises determining the geographical coordinates of the mobile communications device using a Global Positioning System receiver.

27. (Previously Presented) The method of claim 25, wherein determining the current geographical position of the mobile communications device comprises determining the geographical coordinates of the mobile communications device using terrestrial cellular positioning.

28. (Previously Presented) The method of claim 25, wherein determining the current geographical position of the mobile communications device comprises examining the identification code of one or more base stations.

29. (Previously Presented) The method of claim 25, wherein each stored telephone number is associated with a corresponding location, and further comprising determining, for each corresponding location, a distance between the current position of the mobile communication device and the location corresponding to each stored telephone number.

30. (Previously Presented) The method of claim 29, wherein modifying comprises increasing the confidence measure for each stored voice pattern in which the corresponding distance is less than a predetermined threshold.

31. (Previously Presented) The method of claim 29, wherein modifying comprises decreasing the confidence measure for each stored voice pattern in which the corresponding distance is greater than or equal to a predetermined threshold.

32. (Previously Presented) The method of claim 29, wherein modifying comprises increasing the confidence measure for each stored voice pattern in which the corresponding distance is less than a predetermined threshold and decreasing the confidence measure for each stored voice pattern in which the corresponding distance is greater than or equal to the predetermined threshold.

33. (Previously Presented) The method of claim 25, wherein modifying comprises increasing the confidence measure for each stored voice pattern in which a sub-part of the corresponding stored telephone number corresponds to a geographical region within which the current position of the mobile communication device lies.

34. (Original) The method of claim 33, wherein the sub-part is one of an area code, exchange code, or country code.

35. (Currently Amended) The method of claim 25, wherein modifying comprises decreasing the confidence measure for each stored voice pattern in which a sub-part of the corresponding stored telephone number does not ~~corresponds~~ correspond to a geographical region within which the current position of the mobile communication device lies.

36. (Previously Presented) The method of claim 25, wherein modifying comprises increasing the confidence measure for each stored voice pattern in which a sub-part of the corresponding stored telephone number corresponds to a geographical region within which the current position of the mobile communication device lies and decreasing the confidence measure for each stored voice pattern in which a sub-part of the corresponding stored telephone number does not correspond to the geographical region.

37. (Previously Presented) The method of claim 25, further comprising recording a record of previous telephone calls made using the mobile communication device and corresponding locations from which the previous telephone calls were made.

38. (Previously Presented) The method of claim 37, wherein modifying comprises increasing the confidence measure for each stored voice pattern in which the corresponding stored telephone number has been called from the current position of the mobile communication device with a frequency exceeding a predetermined threshold, based upon the record of previous calls.

39. (Previously Presented) The method of claim 37, wherein modifying comprises decreasing the confidence measure for each stored voice pattern in which the corresponding stored telephone number has been called from the current position of the mobile communication device with a frequency less than or equal to a predetermined threshold, based upon the record of previous calls.

40. (Previously Presented) The method of claim 37, wherein modifying comprises increasing the confidence measure for each stored voice pattern in which the corresponding stored telephone number has been called from the current position of the mobile communication device with a frequency exceeding a predetermined threshold, based upon the record of previous calls and decreasing the confidence measure for each stored voice pattern in which the corresponding stored telephone number has been called from the current position of the mobile communication device with a frequency less than or equal to the predetermined threshold.

41. (Previously Presented) The method of claim 25, further using user preferences to identify, for at least one designated location, at least one of the stored telephone numbers that is most likely to be called from the designated location.

42. (Previously Presented) A mobile communication device, comprising:
a microphone to receive voice input from a user of a mobile communications device;
a speech recognition circuit to provide confidence measures based on a comparison of the voice input and each of a plurality of voice patterns stored on the mobile communications device, wherein the voice input comprises a label indicative of a remote party;
positioning circuitry to determine a current geographical position of the mobile communications device; and
logic to adjust each of the confidence measures based on the current geographical position of the mobile communications device.

43. (Previously Presented) The communication device of claim 42, wherein the positioning circuitry comprises a Global Positioning System receiver.

44. (Previously Presented) The communication device of claim 42, wherein the positioning circuitry derives at least a portion of the current geographical position of the mobile communications device using terrestrial cellular positioning.

45. (Previously Presented) The communication device of claim 42, wherein the positioning circuitry derives at least a portion of the current geographical position of the mobile communications device based on the identification code of one or more base stations.

46. (Previously Presented) The communication device of claim 42, wherein the positioning circuitry derives at least a portion of the current geographical position of the mobile communications device from one of an area code, exchange code, or country code.

47-52. (Cancelled).